



**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT Sheet 1 of 2**

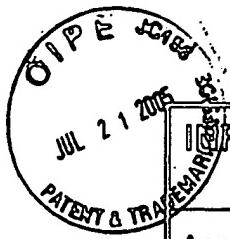
Docket No. F0017/7001

Applicant: Jiankang Huang, Robert C. O'Handley and David Bono
 Serial No: 10/767,800
 Filed: January 29, 2004
 For: HIGH EFFICIENCY VIBRATION ENERGY HARVESTER
 Examiner: Not Yet Assigned
 Art Unit: 3671

OTHER PRIOR ART – NON PATENT LITERATURE AND DOCUMENTS

Exam Initis	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the articles (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
MBS		KIYOTAKE, et al., "Magnetolectric Coupling in Terfenol-D/polyvinylidenedifluoride Composites", Applied Physics Letters, Volume 81, Number 1, July 1, 2002, 2002 American Institute of Physics, pages 100-101.	<input type="checkbox"/>
		GRIMES, et al., "Magnetoelastic Sensors For Remote Query Environmental Monitoring", Smart Mater. Struct. 8 (1999), 1999 IPO Publishing Ltd., Pages 639-646.	<input type="checkbox"/>
		RYU, et al., "Magnetolectric Properties in Piezoelectric and Magnetostrictive Laminate Composites", Japanese Journal of Physics, Vol. 40 (2001) Page 1, No. 8, August 2001, 2001 The Japanese Society of Applied Physics, Pages 4948-4951.	<input type="checkbox"/>
		WHITE, N.M., et.al., "Design and Modelling of a Vibration-Powered Micro-Generator", Measurement + Control, Volume 34, November 2001, Pages 267-271.	<input type="checkbox"/>
		GLYNNE-JONES, P., et al., "The Modelling of a Piezoelectric Vibration Powered Generator for Microsystems", Transducer '01 - Eurosensors XV, The 11th International Conference on Solid-State Sensors and Actuators, Munich, Germany, June 10-14, 2001, pages 46 - 49.	<input type="checkbox"/>
		GLYNNE-JONES, P., et al., "Towards a Piezoelectric Vibration-Powered Microgenerator", IEE Proc.-Sci Meas. Technol., Vol. 148, No. 2, March 2001, pages 68-72.	<input type="checkbox"/>
		SHEARWOOD, C., et al., "Development of an Electromagnetic Microgenerator", Electronics Letters	<input type="checkbox"/>
✓		AMIRTHARAJA, R., et al., "Self-Powered Signal Processing Using Vibration-Based Power Generation", IEEE Journal of Solid State Circuits, v. 33, n. 5, pp. 687-695 (1998)	<input type="checkbox"/>

Examiner Signature	<i>MARY A. BUDD</i> PRIMARY EXAMINER ART UNIT 3671	Date Considered	7-28-05
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APP		MENINGER, S., et al., "Vibration-to-Electric Energy Conversion", IEEE Transactions on VLSI Systems, v. 9, n. 1, p. 64 (2001)	<input type="checkbox"/>
		SHENCK, N.S., et al., "Energy Scavenging with Shoe-Mounted Piezoelectrics", IEEE Microelectronics, v. 21, n. 3, May-June 2001, p. 30-42	<input type="checkbox"/>
		GHANDI, K., "Compact Piezoelectric Based Power generation", Continuum Controls, Inc., DARPA Energy Harvesting Program Review, 2000	<input type="checkbox"/>
		WILLIAMS, C.B., et al., "Analysis of a Micro-Electric Generator For Microsystems," Transducer '95 - Eurosensors IX, The 8th International Conference on Solid-State Sensors and Actuators, and Eurosensors IX, Stockholm, Sweden, June 25-29, 1995, pages 369 - 372.	<input type="checkbox"/>
		CHURCHILL, D.L., et al., "Strain Energy Harvesting for Wireless Sensor Networks," Smart Structures and Materials 2003: Smart Electronics, MEMS, BioMEMS, and Nanotechnology, Proceedings of SPIE, Vol. 5055, (2003)	<input type="checkbox"/>
		EL-HANI, M., et al., "Design and Fabrication of a New Vibration-Based Electromechanical Power Generator", Sensors and Actuators, Elsevier Science B.V., 2001, pages 335-342.	<input type="checkbox"/>
		WHITE, N.M., et al., "A Novel Thick-Film Piezoelectric Micro-Generator", Smart Materials and Structures 10, 2001, page 850-852, Institute of Physics Publishing.	<input type="checkbox"/>
		JAMES, E.P., et al., "A Wireless Self-Powered Micro-System for Condition Monitoring", Department of Electronics and Computer Science, University of Southampton, Hampshire, England, 4 pages.	<input type="checkbox"/>
		JAMES, E.P., et al., "An Investigation of Self-Powered Systems for Condition Monitoring Applications", Sensors and Actuators, pages 171-176, Elsevier B. V.	<input type="checkbox"/>
		ROUNDY, Shad, et al., "A Study of Low Level Vibrations as a Power Source for Wireless Sensor Nodes", Computer Communications 26 (2003) pages 1131-1144, Elsevier Science B.V.	<input type="checkbox"/>
✓		GLYNNE-JONES, P., et al., "An Electromagnetic, Vibration-Powered Generator for Intelligent Sensor Systems", Sensors and Actuators, pages 344-349, Elsevier B.V.	<input type="checkbox"/>

MARK U. BLINN

Examiner Signature	PRIMARY EXAMINER ART UNIT	Date Considered	7-28-05
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